Specifications — P/2 DA2 D

Video

Gain	Main output: 0 dB, 0.6 dB, 1.2 dB, selectable Local monitor output: unity
Bandwidth	350 MHz (-3 dB)

NOTE *ID bits can be terminated (pins 4 and 11) via a switch setting.*

Video input

Number/signal type	1 VGA–QXGA RGBHV, RGBS, RGsB, RsGsBs, HDTV component video input
Connectors	(1) female 15-pin HD
Nominal level	1.0 Vp-p for Y of component video 0.7 Vp-p for RGB and for R-Y and B-Y of component video
Minimum/maximum levels	Analog: 0.4 V to 1.4 Vp-p with no offset at unity gain
Impedance	75 ohms
Horizontal frequency	15 kHz to 135 kHz
Vertical frequency	30 Hz to 170 Hz
Return loss	<-38 dB @ 5 MHz
DC offset (max. allowable)	±5 mV
Input coupling	DC

Video output

Number/signal type	1 VGA–QXGA RGBHV, RGBS, RGsB, RsGsBs, HDTV component video main output 1 VGA–QXGA RGBHV, RGBS, RGsB, RsGsBs, HDTV component video local monitor output
Connectors	
Main output	5 female BNC on 3" pigtails
Local monitor	1 female 15-pin HD
Nominal level	1.0 Vp-p for Y of component video 0.7 Vp-p for RGB and for R-Y and B-Y of component video
Minimum/maximum levels	Analog: 0.4 V to 1.4 Vp-p (follows input)
Impedance	75 ohms
Return loss	<-38 dB @ 5 MHz
DC offset	±5 mV with input at 0 offset

Sync

Input type	RGBHV, RGBS, RGsB, RsGsBs, bi-level and tri-level component video sync
Output type	RGBHV, RGBS, RGsB, RsGsBs, bi-level and tri-level component video sync
Input level	3.0 V to 5.0 Vp-p
Output level	0.3 Vp-p for component video (bi-level sync) 0.6 Vp-p for component video (tri-level sync) TTL: 5.0 Vp-p, unterminated for RGBHV, RGBS
Input impedance	510 ohms or 10k ohm, switch selectable
Output impedance	75 ohms
Max. propagation delay	60 ns
Max. rise/fall time	4 ns
Polarity	Positive or negative (follows input)

Audio

Gain	Unbalanced output: 0 dB; balanced output: +6 dB
Frequency response	20 Hz to 20 kHz, ±0.05 dB
THD + Noise	0.03% @ 1 kHz at nominal level
S/N	>90 dB at maximum output (unweighted)

Specifications — P/2 DA2 D, cont'd

Crosstalk	<-80 dB @ 1 kHz
Stereo channel separation	>80 dB @ 1 kHz
CMRR	>67 dB @ 20 Hz to 20 kHz

Audio input

Number/signal type	1 stereo, unbalanced
Connectors	(1) 3.5 mm mini stereo jack (tip, ring, sleeve)
Impedance	>18k ohms unbalanced, DC coupled
Nominal level	-10 dBV (316 mVrms)
Maximum level	+10 dBV, (unbalanced) at 1% THD+N

NOTE *0 dBu = 0.775 Vrms, 0 dBV = 1 Vrms, 0 dBV ≈ 2 dBu*

Audio output

Number/signal type	1 stereo or dual mono (switch selectable), balanced/unbalanced
Connectors	(1) 3.5 mm direct insertion captive screw connector, 5 pole
Impedance	50 ohms unbalanced, 100 ohms balanced
Gain error	±0.5 dB channel to channel
Maximum level (Hi-Z)	+15 dBu, balanced or unbalanced, at 1% THD+N
Maximum level (600 ohm)	+9 dBm, balanced or unbalanced, at 1% THD+N

General

External power supply	100 VAC to 240 VAC, 50/60 Hz, external; to 12 VDC, 2 A (max.), regulated
Power input requirements	12 VDC, 0.2 A
Temperature/humidity	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
Cooling	Convection, no vents
Mounting	Wall or furniture mountable in a standard U.S. electrical wall box
Enclosure type	Metal faceplate and a plastic Decora® wall plate.
Enclosure dimensions	
Faceplate	2.6" H* x 1.3" W x 0.1" D (6.6 cm H* x 3.3 cm W x 0.3 cm D) (Fits the opening in a 1 gang Decora faceplate. *Height is 3.8" [9.7 cm] including mounting tabs.)
Buffer	2.7" H x 1.8" W x 0.75" D* (6.9 cm H x 4.6 cm W x 1.9 cm D*) (*Depth excludes BNC connectors and cables.)
Product weight	0.2 lbs (0.1 kg)
Shipping weight	2 lb (1 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Regulatory compliance	
Safety	CE, C-tick, UL, CUL
EMI/EMC	CE, FCC Class A, VCCI, C-tick, ICES
MTBF	30,000 hours
Warranty	3 years parts and labor

NOTE *All nominal levels are at ±10%.*

NOTE *Specifications are subject to change without notice.*

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